A Year of Cleaner, Safer Care
Prof. Didier Pittet, World Health Organization
A Webber Training Teleclass

1st Global Patient Safety Challenge
A Year of Cleaner and Safer Care
Professor Didier Pittet
Lead, Global Patient Safety Challenge
World Alliance for Patient Safety

Average infection rate:
8-12% of patients in acute care hospitals in developed countries
Risk is higher in critical care (15-40%)
Risk is 2 to 20 fold higher in developing countries

Burden of disease outside hospitals is unknown
No hospital, no country, no healthcare system in the world can claim to have solved the problem

Health care-associated infection is a major patient safety problem

• Affects hundreds of millions of individuals worldwide each year
• Multifaceted causation related to
  – systems and processes of care provision
  – economic constraints on systems and countries
  – human behaviour

Health care-associated infection is a major patient safety problem

• Data to assess the size and nature of the problem and to create the basis for monitoring the effectiveness of actions
• Patient safety gap
Some healthcare institutions and systems control the risk to patients much better than others

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Health care-associated infection: solutions to the problem

- Prevention strategies reduce infections in developed, transitional and developing countries
- Most solutions are simple and not resource-demanding
- Several health-care settings have succeeded in reducing the risk to patients, but others have not

Health care-associated infection: solutions to the problem

- Gaps in patient safety arise because existing tools and interventions are not being implemented widely
- Gaps not only between countries, but also within the same country
  ... both in developed and developing countries

FIRST GLOBAL PATIENT SAFETY CHALLENGE

To reduce health care-associated infections
Hand hygiene as the cornerstone

5 action areas

Outline

- Key success factors of 1st Challenge
- Current achievements
  - Country commitment
  - Global awareness raising
  - WHO Guidelines
- The way forward

Launch of the 1st Global Patient Safety Challenge
WHO HQ, 13 October 2005

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Country pledges on 13 October 2005

Countries pledges, 1-year Anniversary

Countries committed to addressing HAI

Clean Care is Safer Care 1-year Anniversary

- 8 countries/autonomous areas committed at the GPSC launch 2005: Bahrain, Hong Kong SAR, Italy, the Netherlands, the Philippines, Kingdom of Saudi Arabia, Switzerland, UK
- 19 countries committed to address HAI, 2005, 2006 and 2007: Bangladesh, Belarus, Canada, Georgia, Iceland, India, Ireland, Kazakhstan, Lebanon, Liechtenstein, Luxembourg, Malaysia, Mali, Malta, Republic of Moldova, Oman, Russian Federation, Slovenia, Spain, Tajikistan, and UAE
- 13 countries committed at the 10 November 2006 “A Year of Cleaner and Safer Care” : Australia, Belgium, Bhutan, Bulgaria, Costa Rica, Germany, Finland, Kenya, Luxembourg, Singapore, Sudan, Uganda and USA
- More countries planning to commit in 2007: African countries, China, Denmark, Indonesia, Iran, Jordan, Mexico, Nepal, Pakistan, and Thailand
- Countries interested to commit in 2007: Argentina, Bolivia, Caribbean States, Chile, Colombia, Ecuador, El Salvador, Honduras, Panama, Peru
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Countries committed to addressing HAI

Clean Care is Safer Care: world population covered (%)

- Belgium: 36%
- United States of America: 34%
- India: 29%

Signed in 2005, 2006 and 2007:
- Australia
- Belgium
- Austria
- Belarus
- Bulgaria
- Canada
- Costa Rica
- Czech Republic
- Denmark
- Ecuador
- Egypt
- Finland
- France
- Germany
- Georgia
- Hong Kong
- Hungary
- Iceland
- Ireland
- Italy
- Kazakhstan
- Kenya
- Kyrgyzstan
- Luxembourg
- Chile
- China
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Egypt
- Finland
- France
- Georgia
- Hong Kong
- Hungary
- Iceland
- Ireland
- Italy
- Kazakhstan
- Kenya
- Kyrgyzstan
- Malawi
- Malaysia
- Mauritius
- Mexico
- Moldova
- Monaco
- Malta
- Netherlands
- Norwegian
- Pakistan
- Panama
- People's Republic of China
- Peru
- Philippines
- Poland
- Portugal
- Romania
- Russian Federation
- Slovakia
- Singapore
- Slovenia
- Spain
- Sweden
- Switzerland
- Tajikistan
- Turkey
- Ukraine
- United Arab Emirates
- United Kingdom
- United States of America
- Uzbekistan

Planning to sign in 2007:
- African countries
- Lebanon
- Jordan
- Mexico
- Nepal
- Pakistan
- Indonesia
- Taiwan
- Morocco
- Nepal
- Pakistan

Rest of the World: 29.6%

Current Status, March 2007

Country progress reports following the pledge

- New policy development
- Financial and human resources allocation
- National campaigning
- National guidelines
- Training programmes
- Surveillance systems
- Multimodal programmes implementation in health-care settings

Hand Hygiene Nation-wide Campaigns

Current status, March 2007

Country progress: Malaysia

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Country Reports

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Country progress: Saudi Arabia

Achievements during 2006
Global Awareness Raising

• Widespread dissemination of advocacy publications
• “A Year of Cleaner and Safer Care” (1-year anniversary event)
• 50 keynote/plenary lectures across the 6 WHO regions
• 17 academic publications in peer reviewed journals
• Stand-alone website for the Challenge (with a web platform for pilot/complementary sites)
• Monthly newsletter
• Media coverage in all WHO regions
• Database of 1,500 stakeholders
• 66 infection control organizations invited to commit to the Challenge and take action in their countries

Country progress: Switzerland

• 25% increase of hand hygiene compliance in 4 months
• 17,000 infections prevented in 2006
• Cost savings: 60 million CHF in 2006

116 hospitals

Compliance with hand hygiene (%) 2005: 54% 2006: 68%

Awg/Year 2005-2006

Achievements during 2006
Global Awareness Raising

Meeting JCAHO’s Infection Control Requirements: A Priority Focus Area
Meeting JCAHO’s Infection Control Requirements: A Priority Focus Area discusses the growing crisis in infection control across the spectrum of health care organizations and how compliance with the Joint Commission’s infection control standards can provide a solid structure and foundation to tackle key infection control issues. It also provides examples of compliance for all types of health care organizations and includes a comprehensive description of the newest National Patient Safety Goal related to the reduction of health care–associated infections. Also featured is a foreword written by Dr. Dennis O’Leary, President of the Joint Commission on Accreditation of Healthcare Organizations.

Stakeholders and partners
eg: North America

Website (http://www.int/gpsc/en/)
• Monthly news alerts
• Up to 1,000 hits for guideline downloads
• Registration and interactive platform for test sites

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WHO Guidelines on Hand Hygiene in Health Care (Advanced Draft)

• 2 international consultations
• 9 task forces
• > 100 international experts
• > 700 references
• Ongoing testing in sites
• Summary translated in WHO official languages

WHO Hand Hygiene Guidelines Implementation Strategy:
Critical features

1. Engineering controls (system change):
   - Alcohol handrubs at point of care
   - Access to safe continuous water supply, soap and towels
2. Training/education
3. Observation and feedback
4. Reminders in the workplace
5. Institutional safety climate
   - Active participation at institutional and individual level
   - Individual/institutional self efficacy

A WHO Multimodal Implementation Strategy to improve hand hygiene

• An evidence based approach
• Five core components
• Additional components can be incorporated

System change
Training and education
Measurement (observation and feedback)
Reminders in the workplace
Establishment of a safety climate

Pilot Implementation Pack

The 5-step pilot implementation strategy

Step 1: Facility preparedness
Step 2: Baseline evaluation
Step 3: Implementation
Step 4: Follow-up evaluation
Step 5: Action planning & review

Adoption of alcohol-based handrubbing as the gold standard of care whenever possible
### WHO Hand Hygiene Guidelines

#### Implementation Strategy: Critical features

1. **Engineering controls (system change):**
   - Alcohol handrubs at point of care
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3. **Observation and feedback**
4. **Reminders in the workplace**
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**Critical features:**
- Alcohol-based handrubs at point of care worldwide

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**Hong Kong, April 2006**

**Department of Health**

**WHO alcohol-based handrub formulation**

**Training/education:**
- Local adaptations

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WHO Hand Hygiene Guidelines
Implementation Strategy:
Critical features

1. Engineering controls (system change):
   - Alcohol handrubs at point of care
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2. Training/education

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Reminders:
Local adaptations

Communication and Campaigning,
Switzerland, January 2006
110 hospitals
Promotional tools: local adaptations

Pilot sites for GPSC testing in the 6 WHO Regions

Implementation strategy

PILOT TEST SITES
- 6 sites, in each WHO region
- WHO technical and financial support
- Complete package of tools (information, evaluation, education, promotion) and related data analysis programs
- Availability in CD ROM or through a restricted web access
- Web community platform
- On-site visits by the Challenge team

COMPLEMENTARY SITES
- Numerous sites worldwide
- Limited WHO technical support
- Complete package of tools (information, evaluation, education, promotion) and related data analysis programs
- Access following a formal agreement and through a restricted web access
- Web community platform
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How to become a complementary site?

Simply access the website at:

http://www.who.int/gpsc/country_work/pilot_testing_info/en/index.html

Very simple procedure: benefit from all tools

The way forward...

pledges, implementation

• Invitation to pledge to all WHO Member States
• Stakeholders’ empowerment
• Link to other Alliance streams of work
• Regional workshops
• Strengthening the ongoing collaboration with other WHO departments
• Testing the implementation strategy in pilot and complementary sites

The way forward...

scaling up, sustainability, impact

• Worldwide dissemination of the Guidelines
• Expansion of current networks
• Creation of a WHO Collaborating Centre
• “Hand hygiene-friendly” hospitals
• WHO Hand Hygiene Day
• Evaluation of impact on patient safety

Easy infection control for everyone...

Papers on the 1st Challenge

1. Clean Care is Safer Care: the first global challenge of the WHO World Alliance for Patient Safety. Infect Control Hosp Epidemiol 2005;26:891-4

Papers on the 1st Challenge (cont’d)

Abstracts on the 1st Challenge


12. Allegranzi B. Hand Hygiene: WHO tools for promotion. 3rd International Congress on Infectious and Tropical Diseases; 2nd GCC Conference on Infectious Diseases and Infection Control; Muscat, Oman, 4-7 December 2006. Presentation


The Next Few Teleclasses

March 29 Environmental Control Strategies for C. diff … with Dr. Lynne Sehulster, CDC
April 12 Who’s Afraid of the CIC Exam? (a FREE teleclass) … with Sharon MacDonald and Sharon Krystofiak, CBIC
April 19 Bacterial Resistance to Biocides in the Healthcare Environment … with Dr. Jean Yves Maillard, University of Cardiff, UK
April 25 Making Infection Control Really Work … with Prof. Seto Wing Hong, University of Hong Kong
April 26 Environmental Surveillance for Infection Control … with Andrew Streifel, University of Minnesota

For the full teleclass schedule – www.webbertraining.com

Thank you to the team

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